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Substitute for form 1449/PTO

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Complete if Known

Application Number	10/530,542
Filing Date	October 27, 2005
First Named Inventor	Claudia Bagutti et al.
Art Unit	1642
Examiner Name	Davis, Minh Tam B.
Attorney Docket Number	FM-06-US

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
		DE 19840545 A1	03-09-2000			
		DE 19835071 A1	02-10-2000			
		WO 03093305 A2	11-13-2003			
		WO 200016231 A1	03-23-2000			
		WO 200014540 A1	03-16-2000			
		WO 200012755 A1	03-09-2000			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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		WO 200002045 A2	01-13-2000			

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		Altschul et al., Basic Local Alignment Search Tool, J. Mol. Biol. 215: 403-410, (1990)		
		Aruga, et al. "The mouse zic gene family", J. of Bio. Chem., Vol. 271, pp. 1043-1047 (1996)		
		Aruga, et al., "Zic1 promotes the expansion of dorsal neural progenitors in spinal cord by inhibing neuronal differentiation", Develop. Bio., Vol. 244, pp. 329-341 (2002)		
		Aruga et al., "Zic 2 controls cerebellar development in cooperation with zic1", Journal of Neuroscience, Vol. 22, pp. 218-225, (2002)		
		Bagutti, et al., "The intracellular domain of teneurin 2 has a nuclear function and represses zic-1-mediated transcription", J. of Cell Sci., Vol. 116 (2003) •		
		Baumgartner et al., "Ten-a, a Drosophila gene related to tenascin, shows selective transcript localization", Mech. Of Develop., Vol. 40, pp. 165-176, (1993)		
		Baumgartner et al., "Ten-m, a Drosophila gene related to tenascin, is a new pair-rule gene", EMBO Journal, Vol. 13, pp. 3728-3740, (1994)		
		Ben-Zur et al., "The mammalian odz gene family: Homologs of a drosophila pair-rule gene with expression implying...", Develop. Biol., Vol. 217, pp. 107-120, (2000)		
		Dgany et al., "The Drosophila doz/ten-m gene encodes a type I, multiply cleaved heterodimeric transmembrane protein" Biochem. J., Vol. 363, pp. 633-643, (2002)		
		Doucas et al., "The PML nuclear compartment and cancer", Blochimica et Biophysica Acta, Vol. 1288, pp. M25-M29, (1996)		

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		Doucas et al., "The PML-retinoic acid receptor a translocation converts the receptor from an inhibitor...", Proc. Natl. Acad. Sci. USA, Vol. 90, pp. 9345-9349, (1993)		
		Ebinu et al., "A RIP tide in neuronal signal transduction", Neuron, Vol. 34, pp. 499-502, (2002)		
		Furushima et al., "A new murine zinc finger gene, Opr", Mechanics of Development, Vol. 98, pp. 161-164, (2000)		
		Graham and Van der Eb, A New Technique for the Assay of Infectivity of Human Adenovirus 5 DNA, Virology 52:456-467, (1973).		
		Hagios et al., Tenascin-Y: A Protein of Novel Domain Structure Is Secreted by Differentiated Fibroblasts..., J Cell Biol. 134(6):1499-1512, (1996)		
		Horton R.M., PCR-Mediated Recombination and Mutagenesis, SOEing Together Tailor-Made Genes, Mol. Biotechnol., 3(2); 93-99, (1995)		
		Kenzelmann et al., "Teneurin-1 is expressed in interconnected regions of the developing brain and is processed in vivo", BMC Developmental Biology, 8:30, pp. 1-14, (2008)		
		Keown et al., Methods for Introducing DNA into Mammalian Cells, Methods in Enzymology, 185:527-537 (1990)		
		Kostic et al., "Isolation and characterization of sixteen novel p53 response genes", Oncogene, Vol. 19, pp. 3978-3987, (2000)		
		Kreis, Microinjected antibodies against the cytoplasmic domain of vesicular stomatitis virus glycoprotein block..., Embo J 5, 931-941, (1986)		

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		Levine et al., "Expression of the pair-rule gene odd Oz (odz) in imaginal tissues", Developmental Dynamics, Vol. 209, pp. 1-14, (1997)		
		Levine et al., "odd Oz: a novel drosophila pair rule gene", Cell, Vol. 77, pp. 587-598, (1994)		
		Lewis et al., "Neurofibrillary tangles, amyotrophy and progressive motor disturbance in mice expressing mutant...", Nature Genetics, Vol. 25, pp. 402-405, (2000)		
		Mandai et al., "Ponsin/SH3P12: an 1-Afadin-and Vinculin-binding protein localized at cell-cell and cell-matrix...", Journal of Cell Biology, Vol. 144, pp. 1001-1017, (1999)		
		Mansour et al., Disruption of the proto-oncogene int-2 in mouse embryo-derived stem cells..., Nature 336:348-352 (1988)		
		Mieda et al., "Compartmentalized expression of zebrafish ten-m3 and ten-m4, homologues of the Drosophila...", Mechanisms of Development, Vol. 87, pp. 223-227, (1999)		
		Minet et al., "Phylogenetic analysis of teneurin genes and comparison to the rearrangement hot spot elements of E. coli", Gene, Vol. 257, pp.87-97, (2000)		
		Mu et al., PML, a Growth Suppressor Disrupted in Acute Promyelocytic Leukemia, Mol Cell Biol. 14(10):6858-6867, (1994)		
		Nunes et al., The intracellular domain of teneurin-1 interacts with MBD1 and CAP/ponsin..., Exp. Cell Res. 305 122-132, 131, (2005)		
		Otaki et al., "Neurestin: putative transmembrane molecule implicated in neuronal development", Developmental Biology. Vol. 212, pp. 165-181. (1999)		

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		Pearson & Lipman, Rapid and Sensitive Sequence Comparison with FASTP and FASTA, Methods in Enzymology 183:63-98, (1988)	
		Ribon et al. "A role for CAP, a novel, multifunctional Src homology 3 Domain-containing protein...", Journal of Biological Chemistry, Vol. 273, pp. 4073-4080, (1998)	
		Rubin et al., "Teneurins: a novel family of neuronal cell surface proteins in vertebrates. homologous to the...", Developmental Biology, Vol. 216, pp. 195-209, (1999)	
		Rubin et al., "Teneurin 2 is expressed by the neurons of the thalamofugal visual system in situ and promotes homophilic cell-cell adhesion...", Develop., Vol. 129, (2002)	
		Salero et al., "Transcription factors Zic1 and Zic2 bind and transactivate the apolipoprotein E gene promoter". Journal of Biological Chemistry, Vol. 276. pp.1881-1888. (2001)	
		Salomoni et al., "The role of PML in tumor suppression", Cell. Vol. 108, pp. 165-170. (2002)	
		Seeler et al., "The PML nuclear bodies: actors or extras?", Current Opinion in Genetics & Development, Vol. 9, pp. 362-367, (1999)	
		Tucker et al., "The expression of teneurin-4 in the avian embryo", Mechanics of Development, Vol. 98. pp. 187-191, (2000)	
		Tucker et al., "Teneurin-2 is expressed in tissues that regulate limb and somite pattern formation...", Developmental Dynamics. Vol. 220, pp. 27-39, (2001)	
		Wang et al., "Identification of novel stress-induced genes downstream of chop", EMBO Journal. Vol. 17, pp. 3619-3630, (1998)	

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